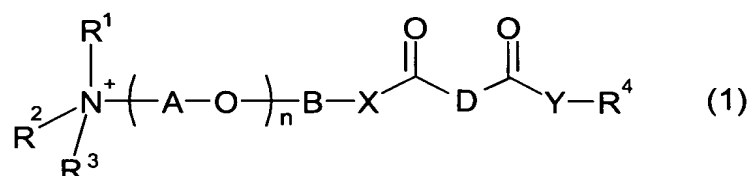


What is claimed is:

1. The use of compounds of the formula (1)



where

R^1, R^2 are each independently C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl,

R^3 is C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl, $-\text{CHR}^5-\text{COO}^-$ or $-\text{O}^-$,

R^4 is M, hydrogen or an organic radical which optionally contains heteroatoms and has from 1 to 100 carbon atoms,

A is a C_2 - to C_4 -alkylene group,

B is a C_1 - to C_{10} -alkylene group,

D is an organic radical which optionally contains heteroatoms and has from 1 to 600 carbon atoms,

X, Y are each independently O or NR^6 ,

R^5, R^6 are each independently hydrogen, C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl, and

M is a cation

n is a number from 1 to 30

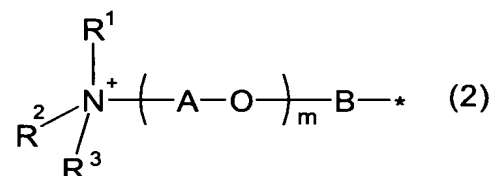
as corrosion inhibitors and gas hydrate inhibitors.

2. The use as claimed in claim 1, wherein A is an ethylene or propylene group.

3. The use as claimed in claim 1 and/or 2, wherein B is a C_2 - to C_4 -

alkylene group.

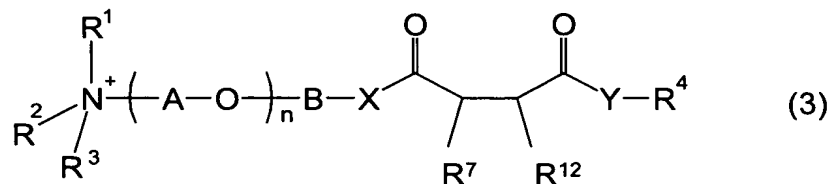
4. The use as claimed in one or more of claims 1 to 3, wherein R^1 and R^2 are each independently an alkyl or alkenyl group of from 2 to 14 carbon atoms.
5. The use as claimed in one or more of claims 1 to 4, wherein R^3 is an alkyl or alkenyl group having from 1 to 12 carbon atoms.
6. The use as claimed in one or more of claims 1 to 5, wherein R^5 and R^6 are hydrogen.
7. The use as claimed in one or more of claims 1 to 6, wherein n is a number in the range from 1 to 10.
8. The use as claimed in one or more of claims 1 to 7, wherein R^4 is a radical of the formula (2)



where R^1 , R^2 , R^3 , A and B are each as defined in claim 1, and m , independently of n , is a number in the range from 0 to 30.

9. The use as claimed in one or more of claims 1 to 8, wherein D is a C_2 - to C_{50} -alkylene or C_2 - to C_{50} -alkenylene group.
10. The use as claimed in one or more of claims 1 to 8, wherein D is derived from substituted succinic acid derivatives having from 10 to 100 carbon atoms.
11. The use as claimed in one or more of claims 1 to 8, wherein D is a

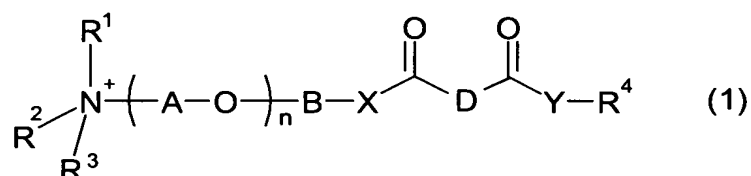
radical of the formula (3)



where

R^7 and R^{12} are each either hydrogen or a C_2 - to C_{100} -alkyl or C_2 - to C_{100} -alkenyl radical which is obtainable as an oligomer of C_2 - to C_8 -alkenes and may be straight-chain or branched, with the proviso that exactly one of the R^7 and R^{12} radicals is hydrogen, and R^1 , R^2 , R^3 , R^4 , A, B, X, Y and n are each as defined in claim 1.

12. A compound of the formula (1)



where

R^1 , R^2 are each independently C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl,

R^3 is C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl, C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl, $-\text{CHR}^5-\text{COO}^-$ or $-\text{O}^-$,

R^4 is M, hydrogen or an organic radical which optionally contains heteroatoms and has from 1 to 100 carbon atoms,

A is a C_2 - to C_4 -alkylene group,

B is a C_1 - to C_{10} -alkylene group,

D is an organic radical which optionally contains heteroatoms and has from 1 to 600 carbon atoms,

X, Y are each independently O or NR^6 ,

R^5 , R^6 are each independently hydrogen, C_1 - to C_{22} -alkyl, C_2 - to C_{22} -alkenyl,

C_6 - to C_{30} -aryl or C_7 - to C_{30} -alkylaryl, and

M is a cation

n is a number from 1 to 30.